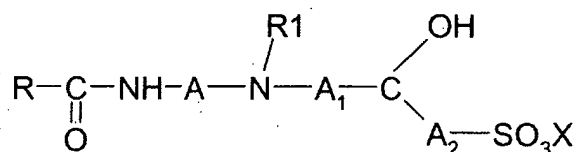


**WHAT IS CLAIMED IS:**

1. A cosmetic composition, comprising, in a cosmetically acceptable medium, at least one amphoteric surfactant chosen from alkylampho-hydroxyalkylsulphonates and salts thereof and at least one ingredient chosen from nacreous agents and opacifiers.

2. The composition according to Claim 1, wherein the at least one amphoteric surfactant is chosen from alkylamphohydroxyalkylsulphonates of formula (I):



wherein:

R is chosen from saturated and unsaturated, linear and branched hydrocarbon-based radicals comprising from 5 to 29 carbon atoms,

R1 is chosen from C<sub>1</sub>-C<sub>4</sub> hydroxyalkyl radicals,

A, A<sub>1</sub> and A<sub>2</sub>, which may be identical or different, are chosen from linear and branched C<sub>1</sub>-C<sub>10</sub> divalent alkylene radicals,

X is chosen from hydrogen, from mineral cations and from organic cations.

3. The composition according to Claim 2, wherein R is chosen from mono- and polyunsaturated alkyl and alkenyl radicals comprising from 5 to 29 carbon atoms.

4. The composition according to Claim 3, wherein R is chosen from mono- and polyunsaturated alkyl and alkenyl radicals comprising from 7 to 22 carbon atoms.
5. The composition according to Claim 4, wherein R is chosen from mono- and polyunsaturated alkyl and alkenyl radicals comprising from 9 to 17 carbon atoms.
6. The composition according to Claim 2, wherein R<sub>1</sub> is hydroxyethyl.
7. The composition according to Claim 2, wherein A, A<sub>1</sub> and A<sub>2</sub>, which may be identical or different, are chosen from C<sub>1</sub>-C<sub>3</sub> divalent alkylene radicals.
8. The composition according to Claim 7, wherein A and A<sub>2</sub> are both chosen from -CH<sub>2</sub>CH<sub>2</sub>-.
9. The composition according to Claim 7, wherein A<sub>1</sub> is -CH<sub>2</sub>-.
10. The composition according to Claim 2, wherein the mineral and organic cations are chosen from alkali metals), alkaline-earth metals, an NH<sub>4</sub><sup>+</sup> ion, and ammonium ions derived from basic amino acids and/or from amino alcohols.
11. The composition according to Claim 10, wherein the alkali metals are chosen from Na<sup>+</sup> and K<sup>+</sup>.
12. The composition according to Claim 10, wherein the alkaline-earth metals are chosen from Mg<sup>2+</sup> and Ca<sup>2+</sup>.
13. The composition according to Claim 1, wherein the at least one amphoteric surfactant is chosen from cocoyl amphohydroxypropyl sulphonate salts and palmitoyl amphohydroxypropyl sulphonate salts.

14. The composition according to Claim 1, wherein the at least one amphoteric surfactant is present in the composition in an amount ranging from 0.1% to 30% by weight, relative to the total weight of the composition.

15. The composition according to Claim 14, wherein the at least one amphoteric surfactant is present in the composition in an amount ranging from 1% to 20% by weight, relative to the total weight of the composition.

16. The composition according to Claim 15, wherein the at least one amphoteric surfactant is present in the composition in an amount ranging from 1.5% to 15% by weight, relative to the total weight of the composition.

17. The composition according to Claim 1, wherein the nacreous agents and opacifiers are chosen from:

- i) esters of polyols comprising at least two carbon atoms and of C<sub>10</sub>-C<sub>30</sub> long-chain fatty acids;
- ii) long-chain C<sub>10</sub>-C<sub>30</sub> fatty acid alkanolamides;
- iii) esters of long-chain monoalcohols and of C<sub>10</sub>-C<sub>30</sub> long-chain fatty acids;
- iv) ethers of C<sub>10</sub>-C<sub>30</sub> long-chain fatty alcohols;
- v) long-chain esters of C<sub>10</sub>-C<sub>30</sub> long-chain alkanolamides;
- vi) single-chain fatty alcohols comprising at least 16 carbon atoms;
- vii) C<sub>10</sub>-C<sub>30</sub> long-chain amine oxides;
- viii) N,N-dihydrocarbyl(C<sub>10</sub>-C<sub>30</sub>)amidobenzoic acids and salts thereof;
- ix) alcohols comprising from 27 to 48 carbon atoms, and comprising one or two ether and/or thioether and/or sulfoxide groups; and
- x) coated and uncoated titanium oxides, micas and titanium micas; and
- xi) cyclodextrins.

18. The composition according to Claim 1, wherein the opacifiers and nacreous agents are chosen from ethylene glycol monostearate, ethylene glycol distearate, distearyl ether, behenyl alcohol and 1-(hexadecyloxy)-2-octadecanol.

19. The composition according to Claim 1, wherein the at least one ingredient chosen from opacifiers and nacreous agents is present in the composition in an amount ranging from 0.2% to 15% by weight, relative to the total weight of the final composition.

20. The composition according to Claim 19, wherein the at least one ingredient chosen from opacifiers and nacreous agents is present in the composition in an amount ranging from 0.5% to 5% by weight, relative to the total weight of the final composition.

21. The composition according to Claim 1, further comprising at least one cationic polymer.

22. The composition according to Claim 21, wherein the at least one cationic polymer is chosen from those comprising units comprising primary, secondary, tertiary and/or quaternary amine groups that either form part of the main polymer chain or are borne by a side substituent directly attached thereto.

23. The composition according to Claim 21, wherein the at least one cationic polymer is chosen from cellulose ethers comprising quaternary ammonium groups, homopolymers of diallyldimethylammonium salt and copolymers of diallyldimethylammonium salt and of acrylamide, and guar gums modified with 2,3-epoxypropyltrimethylammonium chloride.

24. The composition according to Claim 21, wherein the at least one cationic polymer is present in the composition in an amount ranging from 0.001% to 20% by weight, relative to the total weight of the composition.

25. The composition according to Claim 24, wherein the at least one cationic polymer is present in the composition in an amount ranging from 0.01% to 10% by weight, relative to the total weight of the composition.

26. The composition according to Claim 1, further comprising at least one silicone.

27. The composition according to Claim 26, wherein the at least one silicone is chosen from non-volatile polyorganosiloxanes chosen from polyalkylsiloxanes, polyarylsiloxanes, polyalkylarylsiloxanes, silicone gums and resins, and polyorganosiloxanes modified with organofunctional groups.

28. The composition according to Claim 27, wherein the at least one silicone is chosen from polyalkylsiloxanes comprising trimethylsilyl end groups, polyalkylsiloxanes comprising dimethylsilanol end groups, polyalkylarylsiloxanes and aminosilicones.

29. The composition according to Claim 26, wherein the at least one silicone is present in the composition in an amount ranging from 0.001% to 20% by weight, relative to the total weight of the composition.

30. The composition according to Claim 29, wherein the at least one silicone is present in the composition in an amount ranging from 0.01% to 10% by weight, relative to the total weight of the composition.

31. The composition according to Claim 1, further comprising at least one additional surfactant chosen from anionic, nonionic, amphoteric and cationic surfactants.

32. The composition according to Claim 31, wherein the at least one additional surfactant is present in the composition in an amount ranging from 0.1% to 60% by weight, relative to the total weight of the composition.

33. The composition according to Claim 32, wherein the at least one additional surfactant is present in the composition in an amount ranging from 3% to 40% by weight, relative to the total weight of the composition.

34. The composition according to Claim 33, wherein the at least one additional surfactant is present in the composition in an amount ranging from 5% to 30% by weight, relative to the total weight of the composition.

35. The composition according to Claim 1, further comprising at least one adjuvant chosen from thickeners, antidandruff agents, anti-seborrhoeic agents, fragrances, electrolytes, fatty acid esters, preserving agents, silicone and non-silicone sunscreens, vitamins, provitamins, anionic and nonionic polymers, proteins, protein hydrolyzates, 18-methyleicosanoic acid, hydroxy acids, panthenol, plant, animal, mineral and synthetic oils, fluoro and perfluoro oils, natural and synthetic waxes, compounds of ceramide type, fatty amines, fatty acids and derivatives thereof, and fatty alcohols and derivatives thereof.

36. The composition according to Claim 1, wherein the composition is in a form chosen from a shampoo, a conditioner, a permanent-waving composition, a hair-relaxing composition, a hair dyeing composition, a hair bleaching composition, a rinse-out composition to be applied between the two steps of a permanent-waving or hair-relaxing operation, and a washing composition for the body.

37. A method for imparting to the hair at least one property chosen from improved disentangling, smoothing, volume, lightness, softness, flexibility and manageability, comprising applying to the hair a composition comprising, in a cosmetically

acceptable medium, at least one amphoteric surfactant chosen from alkylampho-hydroxyalkylsulphonates and salts thereof and at least one ingredient chosen from nacreous agents and opacifiers.

38. A cosmetic composition for imparting to the hair at least one property chosen from improved disentangling, smoothing, volume, lightness, softness, flexibility and manageability, comprising, in a cosmetically acceptable medium, at least one amphoteric surfactant chosen from alkylamphohydroxyalkylsulphonates and salts thereof and at least one ingredient chosen from nacreous agents and opacifiers, in a combined effective amount to impart the at least one property.

39. A method for treating keratin materials, comprising applying to the keratin materials a cosmetic composition comprising, in a cosmetically acceptable medium, at least one amphoteric surfactant chosen from alkylamphohydroxyalkylsulphonates and salts thereof and at least one ingredient chosen from nacreous agents and opacifiers and then optionally rinsing the composition out.

40. The method according to Claim 38, wherein the keratin materials are hair.

41. A method for imparting softness to skin, comprising applying to the skin a composition comprising, in a cosmetically acceptable medium, at least one amphoteric surfactant chosen from alkylamphohydroxyalkylsulphonates and salts thereof and at least one ingredient chosen from nacreous agents and opacifiers.